

Appetite

Determinants and Consequences of Eating and Drinking

Volume 8 Numbers 1-3 1987

Executive Editors:

Gerard P. Smith · Paul Rozin · Judith Rodin

R.M. Pangborn · Stylianos Nicolaïdis · D.A. Booth

ACADEMIC PRESS

Harcourt Brace Jovanovich, Publishers

London Orlando San Diego New York

Austin Boston Sydney Tokyo Toronto

Contents

Volume 8 Number 1, February 1987

Human Studies

Selection of milks with varying fat contents and related overall liking, attitudes, norms and intentions. H. TUORILA	1-14
Pleasure and preference in a two-dimensional sensory space. M. CABANAC and C. FERBER	15-28
Salivary response to olfactory food stimuli as a function of dietary restraint and body weight. D. B. LEGOFF and M. N. SPIGELMAN	29-35
Salivation and depression: a role for appetitive factors. M. J. RUSS and S. H. ACKERMAN	37-47

Animal Studies

Cafeteria diet promotes sleep in rats. J. DANGUIR	49-53
Salted food preferences in rats (<i>Rattus norvegicus</i>): responses to liquid milk products. M. BERTINO and G. K. BEAUCHAMP	55-66
A test of the Booth energy flow model (Mark 3) on feeding patterns of mice. A. GUILLOT and J.-A. MEYER	67-78
Book reviews P. Fieldhouse <i>Food and nutrition: Customs and culture</i> (P. Wright) A. Cryer and R. L. R. Van (Eds.), <i>New perspectives in adipose tissue: Structure, function and development</i> (M. P. Cleary)	79-80
Calendar of events	80

Volume 8 Number 2, April 1987

Animal Studies

Aldosterone and the mobilization of energy. L. DEVENPORT, G. MANES, T. THOMAS, S. MENA, D. KEM and A. KNEHANS	81-90
The role of taste in rapid sodium satiation by sodium-deficient sheep. P. G. OSBORNE, D. A. DENTON and R. S. WEISINGER	91-99
Are there hunger and satiety factors in the blood of domestic fowls? C. J. SAVORY and C. J. V. SMITH	101-110
The meal pattern of genetically obese (<i>ob/ob</i>) mice. A. J. STROHMAYER and G. P. SMITH	111-123

Human Studies

Family environment, not heredity, accounts for family resemblances in food preferences and attitudes: A twin study. P. ROZIN and L. MILLMAN	125-134
Effects of fructose and glucose preloads on subsequent food intake. L. SPITZER and J. RODIN	135-145
Food perception in dieters and non-dieters. G. A. KING, C. P. HERMAN and J. POLIVY	147-158
Book review M. Sandler and T. Silverstone (Eds.), <i>Psychopharmacology and food</i> (G. P. Smith)	159-160
Calendar of events	160

Volume 8 Number 3, June 1987

Food-induced changes in brain serotonin synthesis: Is there a relationship to appetite for specific macronutrients? J. D. FERNSTROM	163-182
Commentaries Nutrition, serotonin and appetite: Case study in the evolution of a scientific idea. J. E. BLUNDELL and A. J. HILL	183-194
Central dietary "Feedback onto nutrient selection": Not even a scientific hypothesis. D. A. BOOTH	195-201
Food-composition, changes in brain serotonin synthesis and appetite for protein and carbohydrate. P. LEATHWOOD	202-205
A skeptical view of the role of central serotonin in the selection and intake of protein. J. C. PETERS and A. E. HARPER	206-210
Recent evidence from human studies linking central serotonergic function with carbohydrate intake. J. WURTMAN	211-213
Response to Commentaries J. D. FERNSTROM	214-219
Lithium chloride, cholecystokinin and meal patterns: Evidence that cholecystokinin suppresses meal size in rats without causing malaise. D. B. WEST, M. R. C. GREENWOOD, K. A. MARSHALL and S. C. WOODS	221-227
Influence of noise on gustatory affective ratings and preference for sweet or salt. C. FERBER and M. CABANAC	229-235
Book review J. Le Magnen, <i>Hunger</i> (Hans-Rudolf Berthoud)	237
Calendar of events	238

Index of Authors

- Ackerman, S. H., *see* Russ, M. J., 37-47
- Beauchamp, G. K., *see* Bertino, M., 55-66
- Bertino, M., & Beauchamp, G. K., Salted food preferences in rats (*Rattus norvegicus*): responses to liquid milk products, 55-66
- Blundell, J. E., & Hill, A. J., Nutrition, serotonin and appetite: A case study in the evolution of a scientific idea, 183-94
- Booth, D. A., Central dietary "feedback onto nutrient selection" not even a scientific hypothesis, 195-201
- Cabanac, M., & Ferber, C., Pleasure and preference in a two-dimensional sensory space, 15-28
- Cabanac, M., *see* Ferber, C., 229-35
- Danguir, J., Cafeteria diet promotes sleep in rats, 49-53
- Denton, D. A., *see* Osborne, P. G., 91-99
- Devenport, L., Manes, G., Thomas, T., Mena, S., Kem, D., & Knehans, A., Aldosterone and the mobilization of energy, 81-90
- Ferber, C., & Cabanac, M., Influence of noise on gustatory affective ratings and preference for sweet or salt, 229-35
- Ferber, C., *see* Cabanac, M., 15-28
- Fernstrom, J. D., Food-induced changes in brain serotonin synthesis: Is there a relationship to appetite for specific macronutrients? 163-82
- Fernstrom, J. D., Response to commentaries, 214-19
- Greenwood, M. R. C., *see* West, D. B., 221-27
- Guillot, A., & Meyer, J.-A., A test of the Booth energy flow model (Mark 3) on feeding patterns of mice, 67-78
- Harper, J. C., *see* Peters, J. C., 206-10
- Herman, C. P., *see* King, G. A., 147-58
- Hill, A. J., *see* Blundell, J. E., 183-94
- Kem, D., *see* Devenport, L., 81-90
- King, G. A., Herman, C. P., & Polivy, J., Food perception in dieters and non-dieters, 147-58.
- Knehans, A., *see* Devenport, L., 81-90
- Leathwood, P., Food-composition, changes in brain serotonin synthesis and appetite for protein carbohydrate, 202-5
- LeGoff, D. B., & Spiegelman, M. M., Salivary response to olfactory food stimuli as a function of dietary restraint and body weight, 29-35
- Manes, G., *see* Devenport, L., 81-90
- Marshall, K. A., *see* West, D. B., 221-27
- Mena, S., *see* Devenport, L., 81-90
- Meyer, J. A., *see* Guillot, A., 67-78
- Millman, L., *see* Rozin, P., 125-34
- Osborne, P. G., Denton, D. A., & Weisinger, R. S., The role of taste in rapid sodium satiation by sodium-deficient sheep, 91-99
- Peters, J. C., & Harper, A. E., A skeptical view of the role of central serotonin in the selection and intake of protein, 206-10
- Polivy, J., *see* King, G. A., 147-58
- Rodin, J., *see* Spitzer, L., 135-45
- Rozin, P., & Millman, L., Family environment, not heredity, accounts for family resemblances in food preferences and attitudes: A twin study, 125-34
- Russ, M. J., & Ackerman, S. H., Salivary response to olfactory food stimuli as a function of dietary restraint and body weight, 37-45
- Savory, C. J., & Smith, C. J. V., Are there hunger and satiety factors in the blood of domestic fowls? 101-10
- Smith, C. J. V., *see* Savory, C. J., 101-10
- Smith, G. P., *see* Strohmayer, A. J., 111-23
- Spiegelman, M. N., *see* LeGoff, D. B., 29-35
- Spitzer, L., & Rodin, J., Effects of fructose and glucose preloads on subsequent food intake, 135-45
- Strohmayer, A. J., & Smith, G. P., The meal pattern of genetically obese (*ob/ob*) mice, 111-23
- Thomas, T., *see* Devenport, L., 81-90
- Tuorila, H., Selection of milks with varying fat contents and related overall liking, attitudes, norms and intentions, 1-14
- Weisinger, R. S., *see* Osborne, P. G., 91-99
- West, D. B., Greenwood, M. R. C., Marshall, K. A., & Woods, S. C., Lithium chloride, cholecystokinin and meal patterns: Evidence that cholecystokinin suppresses meal size in rats without causing malaise, 221-27
- Woods, S. C., *see* West, D. B., 221-27
- Wurtman, J., Recent evidence from human studies linking central serotonergic function with carbohydrate intake, 211-13

Copyright © 1987 by Academic Press Inc. (London) Limited.
ALL RIGHTS RESERVED. No part of this volume may be
reproduced in any form, by photostat, microfilm, or any
means, without written permission from the publishers.